

ABSTRACT OF THE DISCLOSURE

A method to transform video data having an interest region by wavelet transform signal processing. First, the video data is transformed to high frequency image data and low frequency image data. Then, first image data recording first information responding to the interest region of the video data and second image data recording second information responding to the interest region of the video data from the high frequency image data are received. The first image data and the low frequency image data are combined to form interest region data. The interest region data and the second image data are combined by bit plane coding to generate display data. Finally, a display device displays the display data.